
Rsa Archer Web Services Api

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Practical ASP.NET Web API
Mastering API Architecture
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Java Web Services Architecture
Mastering Web Services Security

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Oracle Web Services Manager "O'Reilly Media, Inc."

Provides information on building Web services using the RESTful architecture and the components of the .NET 3.5 framework.

Java Web Services: Up and Running Springer

One of the first books to cover Sun Microsystem's new Java Web Services Developer Pack Written by top Sun consultants with hands-on experience in creating Web services, with a foreword from Simon Phipps, Chief Evangelist at Sun Case studies demonstrate how to create Web services with the tools most used by Java developers, including BEA WebLogic, Apache Axis, Systinet WASP, and Verisign

Practical ASP.NET Web API Packt Publishing Ltd

Written by industry thought leaders, Java Web Services Architecture is a no-nonsense guide to web services technologies including SOAP, WSDL, UDDI and the JAX APIs. This book is useful for

systems architects and provides many of the practical considerations for implementing web services including authorization, encryption, transactions and the future of Web Services. Covers all the standards, the JAX APIs, transactions, security, and more.

Mastering API Architecture "O'Reilly Media, Inc."

A step-by-step guide that will help you design, develop, scale, and deploy RESTful APIs with TypeScript 3 and Node.js Key Features Gain in-depth knowledge of OpenAPI and Swagger to build scalable web services Explore a variety of test frameworks and test runners such as Stryker, Mocha, and Chai Create a pipeline by Dockerizing your environment using Travis CI, Google Cloud Platform, and GitHub Book Description In the world of web development, leveraging data is the key to developing comprehensive applications, and RESTful APIs help you to achieve this systematically. This book will guide you in designing and developing web services with the power of TypeScript 3 and Node.js. You'll design REST APIs using best practices for request handling, validation, authentication, and authorization. You'll also understand how to enhance the capabilities of your APIs with ODMs, databases, models and views, as well as asynchronous callbacks. This book will guide you in securing your environment by testing your services and

initiating test automation with different testing approaches. Furthermore, you'll get to grips with developing secure, testable, and more efficient code, and be able to scale and deploy TypeScript 3 and Node.js-powered RESTful APIs on cloud platforms such as the Google Cloud Platform. Finally, the book will help you explore microservices and give you an overview of what GraphQL can allow you to do. By the end of this book, you will be able to use RESTful web services to create your APIs for mobile and web apps and other platforms. What you will learn Explore various methods to plan your services in a scalable way Understand how to handle different request types and the response status code Get to grips with securing web services Delve into error handling and logging your web services for improved debugging Uncover the microservices architecture and GraphQL Create automated CI/CD pipelines for release and deployment strategies Who this book is for If you're a developer who has a basic understanding of REST concepts and want to learn how to design and develop RESTful APIs, this book is for you. Prior knowledge of TypeScript will help you make the most out of this book.

Web Services Essentials Packt Publishing Ltd

Most organizations with a web presence build and operate APIs; the doorway for customers to

interact with the company's services. Designing, building, and managing these critical programs affect everyone in the organization, from engineers and product owners to C-suite executives. But the real challenge for developers and solution architects is creating an API platform from the ground up. With this practical book, you'll learn strategies for building and testing REST APIs that use API gateways to combine offerings at the microservice level. Authors James Gough, Daniel Bryant, and Matthew Auburn demonstrate how simple additions to this infrastructure can help engineers and organizations migrate to the cloud; and open the opportunity to connect internal services using technologies like a service mesh. Learn API fundamentals and architectural patterns for building an API platform Use practical examples to understand how to design, build, and test API-based systems Deploy, operate, and configure key components of an API platform Use API gateways and service meshes appropriately, based on case studies Understand core security and common vulnerabilities in API architecture Secure data and APIs using threat modeling and technologies like OAuth2 and TLS Learn how to evolve existing systems toward API- and cloud-based architectures

Building RESTful Web Services with Java EE 8 "O'Reilly Media, Inc."

RESTful Web APIs"O'Reilly Media, Inc."

Web Services Foundations Apress

Overview: Learn how to develop REST-style and SOAP-based web services and clients with this quick and thorough introduction. This hands-on book delivers a clear, pragmatic approach to web services by providing an architectural overview, complete working code examples, and short yet precise instructions for compiling, deploying, and executing them. You'll learn how to write services from scratch and integrate existing services into your Java applications. With greater emphasis on REST-style services, this second edition covers HttpServlet, Restlet, and JAX-RS APIs; jQuery clients against REST-style services; and JAX-WS for SOAP-based services. Code samples include an Apache Ant script that compiles, packages, and deploys web services. Learn differences and similarities between REST-style and SOAP-based services; -- Program and deliver RESTful web services, using Java APIs and implementations; -- Explore RESTful web service clients written in Java, JavaScript, and Perl; -- Write SOAP-based web services with an emphasis on the application level; -- Examine the handler and transport levels in SOAP-based messaging; -- Learn wire-level security in HTTP(S), users/roles security, and WS-Security; -- Use a Java Application Server (JAS) as an alternative to a standalone web server.

Integrating SOA and Web Services Elsevier

If you are a .NET developer who wants to develop end-to-end RESTful applications in the cloud, then this book is for you. A working knowledge of C# will help you get the most out of this book. A multi-level security in Cloud Computing: Image Sequencing and RSA algorithm John Wiley & Sons The basic rules of REST APIs - "many nouns, few verbs, stick with HTTP" - seem easy, but that simplicity and power require discipline to work smoothly. This brief guide provides next steps for implementing complex projects on simple and extensible foundations.

RESTful .NET "O'Reilly Media, Inc."

Discover the RESTful technologies, including REST, JSON, XML, JAX-RS web services, SOAP and more, for building today's microservices, big data applications, and web service applications. This book is based on a course the Oracle-based author is teaching for UC Santa Cruz Silicon Valley which covers architecture, design best practices and coding labs. Pro RESTful APIs: Design gives you all the fundamentals from the top down: from the top (architecture) through the middle (design) to the bottom (coding). This book is a must have for any microservices or web services developer building applications and services. What You'll Learn Discover the key RESTful APIs, including REST, JSON, XML, JAX, SOAP and more Use these for web services and data exchange, especially in today's big data context Harness XML, JSON, REST, and JAX-RS in examples and case studies Apply best practices to your solutions' architecture Who This Book Is For Experienced web programmers and developers.

ASP.NET MVC 4 and the Web API Springer

Uncovers the steps software architects and developers will need to take in order to plan and build a real-world, secure Web services system Authors are leading security experts involved in developing the standards for XML and Web services security Focuses on XML-based security and presents code examples based on popular EJB and .NET application servers Explains how to handle difficult-to-solve problems such as passing user credentials and controlling delegation of those credentials across multiple applications Companion Web site includes the source code from the book as well as additional examples and product information

Java Web Services Unleashed diplom.de

Web services (WS) provide a simple, standardized way to connect applications over the Internet, however they require management of security and other run-time operations to work effectively. Oracle Web Services Manager is a software solution for managing the operations of web services and the interactions between these services. This book explains the business reasons why web services security is required and gives an architectural overview of WS Security for an enterprise. It then provides details about the Oracle Web Service Manager product and how it can be leveraged to address the key security issues of Confidentiality, Integrity, Authentication, and Authorization. Whilst addressing these key issues, the book describes them fully with examples. It ends with a couple of unique features: one is the various options available for a successful deployment and the other is an explanation, in depth, of how the security components work.

Java Web Services Pearson Education

Learn how to develop REST-style and SOAP-based web services and clients with this quick and thorough introduction. This hands-on book delivers a clear, pragmatic approach to web services by providing an architectural overview, complete working code examples, and short yet precise instructions for compiling, deploying, and executing them. You'll learn how to write services from scratch and integrate existing services into your Java applications. With greater emphasis on REST-style services, this second edition covers HttpServlet, Restlet, and JAX-RS APIs; jQuery clients against REST-style services; and JAX-WS for SOAP-based services. Code samples include an Apache Ant script that compiles, packages, and deploys web services. Learn differences and similarities between REST-style and SOAP-based services Program and deliver RESTful web services, using Java APIs and implementations Explore RESTful web service clients written in Java, JavaScript, and Perl Write SOAP-based web services with an emphasis on the application level Examine the handler and transport levels in SOAP-based messaging Learn wire-level security in HTTP(S), users/roles security, and WS-Security Use a Java Application Server (JAS) as an alternative to a standalone web server

Hacking Web Services "O'Reilly Media, Inc."

Web services and Service-Oriented Computing (SOC) have become thriving areas of academic research, joint university/industry research projects, and novel IT products on the market. SOC is the computing paradigm that uses Web services as building blocks for the engineering of composite, distributed applications out of the reusable application logic encapsulated by Web services. Web services could be considered the best-known and most standardized technology in use today for distributed computing over the Internet. This book is the second installment of a two-book collection covering the state-of-the-art of both theoretical and practical aspects of Web services and SOC research and deployments. Advanced Web Services specifically focuses on advanced topics of Web services and SOC and covers topics including Web services transactions, security and trust, Web service management, real-world case studies, and novel perspectives and future directions. The editors present foundational topics in the first book of the collection, *Web Services Foundations* (Springer, 2013). Together, both books comprise approximately 1400 pages and are the result of an enormous community effort that involved more than 100 authors, comprising the world's leading experts in this field.

Pro RESTful APIs Apress

Learn how to design and develop distributed web services in Java, using RESTful architectural principles and the JAX-RS 2.0 specification in Java EE 7. By focusing on implementation rather than theory, this hands-on reference demonstrates how easy it is to get started with services based on the REST architecture. With the book's technical guide, you'll learn how REST and JAX-RS work and when to use them. The RESTEasy workbook that follows provides step-by-step instructions for installing, configuring, and running several working JAX-RS examples, using the JBoss RESTEasy implementation of JAX-RS 2.0. Learn JAX-RS 2.0 features, including a client API, server-side asynchronous HTTP, and filters and interceptors Examine the design of a distributed RESTful interface for an e-commerce order entry system Use the JAX-RS Response object to return complex responses to your client (ResponseBuilder) Increase the performance of your services by leveraging HTTP caching protocols Deploy and integrate web services within Java EE7, servlet containers, EJB, Spring, and JPA Learn popular mechanisms to perform authentication on the Web, including client-side SSL and OAuth 2.0

SOA Using Java Web Services CRC Press

Currently cloud computing environments have come up with a serious problem known as security which is in terms of Confidentiality of Data, Integrity of the Message and Authenticity of the users

(CIA). Since user's personal data is being stored in an unencrypted format on a remote machine operated by third party vendors who provide various services, the impact of user's identity and unauthorized access or disclosure of files are very high. Though we have various techniques and algorithms to protect our data from hackers and intruders still cloud environments are prone to other attacks. In this book, a novel approach is implemented to protect user's confidential data from third party service providers, and also to make sure that the data is not disclosed to any unauthentic user or the service provider even, in any cloud environments. This approach provides a multi-level security in three aspects: 1) User authentication for 'authorization' to enter the network, 2) Image Sequencing password for 'authentication' wherein it is proved that the identity is original user and 3) RSA algorithm to encrypt the data further for providing 'data integrity'. Thus this approach provides an overall security to the client's personal data and the major issue of confidentiality, integrity and authenticity is fully solved. Implemented results are represented to illustrate that our approach has a reasonable performance.

"O'Reilly Media, Inc."

Expert Solutions and State-of-the-Art Code Examples SOA Using Java™ Web Services is a hands-on guide to implementing Web services and Service Oriented Architecture (SOA) with today's Java EE 5 and Java SE 6 platforms. Author Mark Hansen presents in explicit detail the information that enterprise developers and architects need to succeed, from best-practice design techniques to state-of-the-art code samples. Hansen covers creating, deploying, and invoking Web services that can be composed into loosely coupled SOA applications. He begins by reviewing the "big picture," including the challenges of Java-based SOA development and the limitations of traditional approaches. Next, he systematically introduces the latest Java Web Services (JWS) APIs and walks through creating Web services that integrate into a comprehensive SOA solution. Finally, he shows how application frameworks based on JWS can streamline the entire SOA development process and introduces one such framework: SOA-J. The book Introduces practical techniques for managing the complexity of Web services and SOA, including best-practice design examples Offers hard-won insights into building effective SOA applications with Java Web Services Illuminates recent major JWS improvements—including two full chapters on JAX-WS 2.0 Thoroughly explains SOA integration using WSDL, SOAP, Java/XML mapping, and JAXB 2.0 data binding Walks step by step through packaging and deploying Web services components on Java EE 5 with JSR-181 (WS-Metadata 2.0) and JSR-109 Includes specific code solutions for many development issues, from publishing REST endpoints to consuming SOAP services with WSDL Presents a complete case study using the JWS APIs, together with an Ajax front end, to build a SOA application integrating Amazon, Yahoo Shopping, and eBay Contains hundreds of code samples—all tested with the GlassFish Java EE 5 reference implementation—that are downloadable from the companion Web site, <http://soabook.com>. Foreword Preface Acknowledgments About the Author Chapter 1: Service-Oriented Architecture with Java Web Services Chapter 2: An Overview of Java Web Services Chapter 3: Basic SOA Using REST Chapter 4: The Role of WSDL, SOAP, and Java/XML Mapping in SOA Chapter 5: The JAXB 2.0 Data Binding Chapter 6: JAX-WS-Client-Side Development Chapter 7: JAX-WS 2.0-Server-Side Development Chapter 8: Packaging and Deployment of SOA Components (JSR-181 and JSR-109) Chapter 9: SOAShopper: Integrating eBay, Amazon, and Yahoo! Shopping Chapter 10: Ajax and Java Web Services Chapter 11: WSDL-Centric Java Web Services with SOA-J Appendix A: Java, XML, and Web Services Standards Used in This Book Appendix B: Software Configuration Guide Appendix C: Namespace Prefixes Glossary References Index

Developing RESTful Web Services with Jersey 2. 0 Apress

Design scalable and robust RESTful web services with JAX-RS and Jersey extension APIs About This Book• Get to grips with the portable Java APIs used for JSON processing• Design solutions to produce, consume, and visualize RESTful web services using WADL, RAML, and Swagger• A step-by-step guide packed with many real-life use-cases to help you build efficient and secure RESTful web APIs in Java Who This Book Is For If you are a web developer with a basic understanding of the REST concepts but are new to the idea of designing and developing RESTful web services, this is the book for you. As all the code samples for the book are written in Java, proficiency in Java is a must. What You Will Learn• Introduce yourself to the RESTful software architectural style and the REST API design principles• Make use of the JSR 353 APIs and Jackson API for JSON processing• Build portable RESTful web APIs, making use of the JAX-RS 2.0 API• Simplify API development using the Jersey extension APIs• Secure your RESTful web services with various authentication and authorization mechanisms• Get to grips with the various metadata solutions to describe, produce, and consume RESTful web services• Understand the design and coding guidelines to build well-

performing RESTful APIs• See how the role of RESTful web services changes with emerging technologies and trendsIn DetailREST (REpresentational State Transfer) is a simple yet powerful software architecture style to create scalable web services and allow them to be simple, lightweight, and fast. The REST API uses HTTP and JSON, so that it can be used with many programming languages such as Ruby, Java, Python, and Scala. Its use in Java seems to be the most popular though, because of the API's reusability.This book is a guide to developing RESTful web services in Java using the popular RESTful framework APIs available today. You will begin with gaining an in-depth knowledge of the RESTful software architectural style and its relevance in modern applications. Further, you will understand the APIs to parse, generate, transform, and query JSON effectively. Then, you will see how to build a simple RESTful service using the popular JAX-RS 2.0 API along with some real-world examples. This book will introduce you to the Jersey framework API, which is used to simplify your web services.You will also see how to secure your services with various authentication mechanisms. You will get to grips with various solutions to describe, produce, consume, and visualize RESTful web services. Finally, you will see how to design your web services to equip them for the future technological advances, be it Cloud or mobile computing.By the end of this book, you will be able to efficiently build robust, scalable, and secure RESTful web services, making use of the JAX-RS and Jersey framework extensions.Style and approachThis book is written as a step-by-step guide to designing and developing robust RESTful web services. Each topic is explained in a simple and easy-to-understand manner with lots of real-life use-cases and their solutions.

Building a RESTful Web Service with Spring "O'Reilly Media, Inc."

Web services and Service-Oriented Computing (SOC) have become thriving areas of academic research, joint university/industry research projects, and novel IT products on the market. SOC is the computing paradigm that uses Web services as building blocks for the engineering of composite, distributed applications out of the reusable application logic encapsulated by Web services. Web services could be considered the best-known and most standardized technology in use today for distributed computing over the Internet. Web Services Foundations is the first installment of a two-book collection covering the state-of-the-art of both theoretical and practical aspects of Web services and SOC research. This book specifically focuses on the foundations of Web services and SOC and covers - among others - Web service composition, non-functional aspects of Web services, Web service selection and recommendation, and assisted Web service composition. The editors collect advanced topics in the second book of the collection, Advanced Web Services, (Springer, 2013). Both books together comprise approximately 1400 pages and are the result of an enormous community effort that involved more than 100 authors, comprising the world's leading experts in this field.

Hands-On RESTful Web Services with TypeScript 3 Packt Pub Limited

Get up to speed with the latest features of C# 8, ASP.NET Core 3 and .NET Core 3.1 LTS to create robust and maintainable web services Key FeaturesApply design patterns and techniques to achieve a reactive, scalable web serviceDocument your web services using the OpenAPI standard and test them using PostmanExplore mechanisms to implement a secure web service using client-side SSL and token authenticationBook Description In recent times, web services have evolved to play a prominent role in web development. Applications are now designed to be compatible with any device and platform, and web services help us keep their logic and UI separate. Given its

simplicity and effectiveness in creating web services, the RESTful approach has gained popularity, and this book will help you build RESTful web services using ASP.NET Core. This REST book begins by introducing you to the basics of the REST philosophy, where you'll study the different stages of designing and implementing enterprise-grade RESTful web services. You'll also gain a thorough understanding of ASP.NET Core's middleware approach and learn how to customize it. The book will later guide you through improving API resilience, securing your service, and applying different design patterns and techniques to achieve a scalable web service. In addition to this, you'll learn advanced techniques for caching, monitoring, and logging, along with implementing unit and integration testing strategies. In later chapters, you will deploy your REST web services on Azure and document APIs using Swagger and external tools such as Postman. By the end of this book, you will have learned how to design RESTful web services confidently using ASP.NET Core with a focus on code testability and maintainability. What you will learnGain a comprehensive working knowledge of ASP.NET CoreIntegrate third-party tools and frameworks to build maintainable and efficient servicesImplement patterns using dependency injection to reduce boilerplate code and improve flexibilityUse ASP.NET Core's out-of-the-box tools to test your applicationsUse Docker to run your ASP.NET Core web service in an isolated and self-contained environmentSecure your information using HTTPS and token-based authenticationIntegrate multiple web services using resiliency patterns and messaging techniquesWho this book is for This book is for anyone who wants to learn how to build RESTful web services with the ASP.NET Core framework to improve the scalability and performance of their applications. Basic knowledge of C# and .NET Core will help you make the best use of the code samples included in the book.

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